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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/805,852

03/22/2004

Robert Sandman

P0828-US

1717

7590

08/09/2006

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EXAMINER

LEE, CHUN KUAN

ART UNIT

PAPER NUMBER

2181

DATE MAILED: 08/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/805,852	Applicant(s) SANDMAN ET AL.	
	Examiner Chun-Kuan (Mike) Lee	Art Unit 2181	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

*[Signature]*  
**FRITZ FLEMING**  
**SUPERVISORY PATENT EXAMINER**

**TECHNOLOGY CENTER 2100**

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)      8/7/2006
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

1. The abstract of the disclosure is objected to because of "[0023]" at the beginning of the paragraph, please remove "[0023]". Correction is required. See MPEP § 608.01(b).

### ***Claim Rejections - 35 USC § 102***

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
2. Claims 1-3 and 7-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Salmonsens (US Pub.: 2003/0225568).
  3. As per claims 1 and 8, Salmonsens teaches a system and a method for interfacing removable magnetic media system with an operating system comprising:
    - a drive (e.g. media drive) which receives a removable magnetic media cartridge (e.g. hard disk drive or flash memory devices) ([0026] and [0097]);
    - presenting the removable magnetic media system to the operating system (Fig. 3, ref. 304) as an optical drive ([0031], [0058] and [0097]); and

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using an optical drive file system to enable communication between the removable magnetic media system and the operating system ([0145]), wherein the optical drive file system is the UDF file system.

4. As per claims 2 and 9, Salmonsens teaches the system and the method comprising wherein the optical drive file system is the UDF file system ([0145]).

5. As per claims 3 and 10, Salmonsens teaches the system and the method further comprising reading and writing data to and from the removable magnetic media system using the optical drive file system ([0031], [0058] and [0071]).

6. As per claim 7, Salmonsens teaches the system and the method further comprising interfacing the command set normally used by CD/DVD type devices to a magnetic storage device ([0030]-[0031], [0058] and [0060]-[0061]).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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7. Claims 4, 6, 11 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salmonsens (US Pub.: 2003/0225568) in view of “Universal Disk Format Specification”.

Salmonsens teaches all the limitations of claims 1 and 8 as discussed above, where Salmonsens further teaches the system and the method comprising wherein the optical drive file system is the UDF file system ([0145]).

Salmonsens does not expressly teach the system and the method comprising: writing data to the removable magnetic media system in 64K allocations of 2K logical block addresses; and supporting multiple volume sets.

“Universal Disk Format Specification” teaches a standard comprising: writing packets of 64KB with 2K sectors (Section 6,10,2,1 on pages 138-139); and supporting multi-volume (Section 1.2 on page 3).

It would have been obvious to one of ordinary skill in this art, at the time of invention was made to include Universal Disk Format Specification’s packets and multi-volume into Salmonsens’s system.

Therefore, it would have been obvious to combine “Universal Disk Format Specification” with Salmonsens as Salmonsens’s system and method operates utilizing the UDF filing system therefore must conforms to the UDF standards.

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8. Claims 5 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Salmonsens (US Pub.: 2003/0225568) in view of Zou et al. (US Patent 7,058,284)

Salmonsens teaches all the limitations of claims 1 and 8 as discussed above, where Salmonsens further teaches the system and the method comprising wherein the signal supplied conforms to one that is supplied from a standard supply device such as CD or DVD ([0031]).

Salmonsens does not expressly teach the system and the method comprising wherein automatic launching a program when media is inserted into the removable magnetic media system.

Zou teaches a system and a method comprising the automatic running of a optical disk when the disk is inserted into the disk drive (col. 1, ll. 57-60).

It would have been obvious to one of ordinary skill in this art, at the time of invention was made to include Zou's automatic running into Salmonsens's media.

Therefore, it would have been obvious to combine Zou with Salmonsens for the benefit of providing a more robust and flexible copy protection scheme (Zou, col. 1, ll. 42-48).

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun-Kuan (Mike) Lee whose telephone number is (571) 272-0671. The examiner can normally be reached on 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fritz M. Fleming can be reached on (571) 272-4145. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

C.K.L.  
07/26/2006

*Fritz M. Fleming*  
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8/7/2006